

CLAIMS

1. A recombinant or substantially pure preparation of an *H. pylori* polypeptide selected from the group consisting of HPP1 through HPP558:
2. A substantially pure nucleic acid encoding a polypeptide of claim 1.
3. A vaccine composition comprising an effective amount of an *H. pylori* polypeptide of claim 1 and a pharmaceutically acceptable carrier.
4. A method of treating a subject for *H. pylori* infection comprising administering to a subject a composition of claim 3 such that treatment of *H. pylori* infection occurs.
5. The method of claim 4 wherein the treatment is a prophylactic treatment.
6. The method of claim 4 wherein the treatment is a therapeutic treatment.

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